

10/023561

Serial No.: 10/023,561  
Art Unit: 2617

CLAIMS

1. (Currently Amended) A method for operating a multi-mode mobile station comprising at least two antennas, wherein at least two modes operate within at least one common range of frequencies, comprising:

transmitting a signal from a first antenna circuit of the mobile station in the common range of frequencies; and

electronically detuning the resonance of a second antenna of the mobile station such that the resonance of the second antenna is mis-matched to the first antenna so as to reduce coupling of the transmitted signal from the first antenna into the second antenna, wherein the step of detuning comprises varying an impedance of at least one component that forms a part of the second antenna circuit.

2. (Original) A method as in claim 1, wherein the common range of frequencies comprises 1900MHz.

3. (Original) A method as in claim 1, wherein the common range of frequencies comprises 850MHz.

4. (Canceled)

5. (Currently Amended) A method as in claim 1-4, wherein the at least one component is comprised of a stripline.

6. (Currently Amended) A method as in claim 1-4, wherein the at least one component is comprised of a PIN diode.

7. (Currently Amended) A method as in claim 1-4, wherein the at least one component is comprised of a variable capacitance.

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